Amendment After Final Action (37 C.F.R. Section 1.116)
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AMENDMENTS TO THE CLAIMS

1.   (Canceled)

2.   (Currently Amended) The method of Claim [[1]] 3, wherein [[the]] a requestor is a local domain name system (LDNS) server.

3.   (Currently Amended) A method for enabling a client to access a resource on a wide area network environment, comprising:

     (a)   receiving a request for the resource from a connection that is associated with the client;

     (b)   selecting a method for load balancing each request from the connection, wherein the selected load balancing method employs modulus arithmetic to select a virtual server managed by [[the]] a selected server array controller, including:

         converting the LDNS server's IP address into a first value;

         dividing the first value by the total amount (N) of virtual servers that are available, each available virtual server corresponding to a particular value of N;

         adding one to a remainder of the dividing action to create a second value; and

         selecting the virtual server that corresponds to the particular value of N that is one greater than the second value;

     (c)   employing the selected method to select one of a plurality of server array controllers to handle each request from the connection to the resource; and

     (d)   persistently referring each request associated with the connection to the selected server array controller until another method is selected for load balancing each request from the connection, wherein the selected server array controller associates the client's connection with the requested resource.

4.   (Original) The method of Claim 3, further comprising when the selected virtual server is determined to be down, the selected load balancing method performs further actions, including:

     (a)   marking the down selected virtual server as unavailable;

     (b)   decrementing the total amount of available virtual servers by 1 to create a new value for N; and

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(c)   employing the new value for N to select another virtual server array.

5.   (Currently Amended) The method of Claim [[1]] 3, wherein [[the]] a requestor communicates with a client through a web proxy.

6.   (Canceled)

7.   (Currently Amended) The method of Claim [[1]] 3, wherein the [target] selected server array controller associates [the] a requestor with a virtual server that includes the resource, wherein the virtual server is managed by the [target] selected server array controller.

8.   (Currently Amended) The method of Claim [[1]] 3, further comprising storing information associated with the request.

9.   (Currently Amended) The method of claim 8, wherein the information includes an IP address associated with [the] a requestor, another IP address associated with the selected server array controller, and a time value for controlling how long information is valid.

10.   (Currently Amended) The method of Claim [[1]] 3, wherein each subsequent request is made by any one of a plurality of LDNS servers.

11.   (Currently Amended) The method of claim [[1]] 3, wherein the [target] selected server array controller manages at least one virtual server that provides access to the resource.

12.-33   (Canceled)

34.   (New) A processor-readable medium that stores processor executable data for enabling actions for a client to access a resource on a wide area network environment, the actions comprising:

(a)   receiving a request for the resource from a connection that is associated with the client;

(b)   selecting a method for load balancing each request from the connection, wherein the selected load balancing method employs modulus arithmetic to select a virtual server managed by the selected server array controller, including:

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   (i) converting the LDNS server's IP address into a first value;

   (ii) dividing the first value by the total amount (N) of virtual servers that are available, each available virtual server corresponding to a particular value of N;

   (iii) adding one to a remainder of the dividing action to create a second value; and

   (iv) selecting the virtual server that corresponds to the particular value of N that is one greater than the second value;

 (c) employing the selected method to select one of a plurality of server array controllers to handle each request from the connection to the resource; and

 (d) persistently referring each request associated with the connection to the selected server array controller until another method is selected for load balancing each request from the connection, wherein the selected server array controller associates the client's connection with the requested resource.

35. (New) A system for performing actions for a client to access a resource on a wide area network environment, the actions comprising:

 (a) a first component for receiving a request for the resource from a connection that is associated with the client;

 (b) a second component for selecting a method for load balancing each request from the connection, wherein the selected load balancing method employs modulus arithmetic to select a virtual server managed by a selected server array controller, including:

   (i) converting the LDNS server's IP address into a first value;

   (ii) dividing the first value by the total amount (N) of virtual servers that are available, each available virtual server corresponding to a particular value of N;

   (iii) adding one to a remainder of the dividing action to create a second value; and

   (iv) selecting the virtual server that corresponds to the particular value of N that is one greater than the second value;

 (c) a third component for employing the selected method to select one of a plurality of server array controllers to handle each request from the connection to the resource; and

 (d) a fourth component for persistently referring each request associated with the connection to a selected server array controller until another method is selected for load balancing

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each request from the connection, wherein the selected server array controller associates the client's connection with the requested resource.

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